UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : 7,054,256 B2
APPLICATION NO. : 10/082928
DATED : May 30, 2006
INVENTOR(S) : Hunter et al.

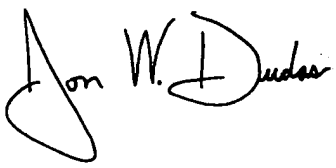
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Delete Title page illustrating figures, and substitute therefor, new Title page illustrating figures. (attached)

Delete drawing sheets 1-4, and substitute therefor drawing sheets 1-4. (attached)

Signed and Sealed this

Eleventh Day of December, 2007



JON W. DUDAS
Director of the United States Patent and Trademark Office

(12) **United States Patent**
Hunter et al.

(10) **Patent No.: US 7,054,256 B2**
(45) **Date of Patent: May 30, 2006**

(54) **HIGH CAPACITY DIGITAL DATA STORAGE BY TRANSMISSION OF RADIANT ENERGY THROUGH ARRAYS OF SMALL DIAMETER HOLES**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 721 days.

(21) Appl. No.: **10/082,928**

(22) Filed: **Oct. 19, 2001**

(65) **Prior Publication Data**

US 2002/0126616 A1 Sep. 12, 2002

Related U.S. Application Data

(60) Provisional application No. 60/242,042, filed on Oct. 20, 2000.

(51) **Int. Cl.**
G11B 7/00 (2006.01)

(52) U.S. Cl. 369/118; 369/275.4; 369/283

(58) Field of Classification Search 369/275.4, 369/124.12, 288, 283, 282
See application file for complete search history.

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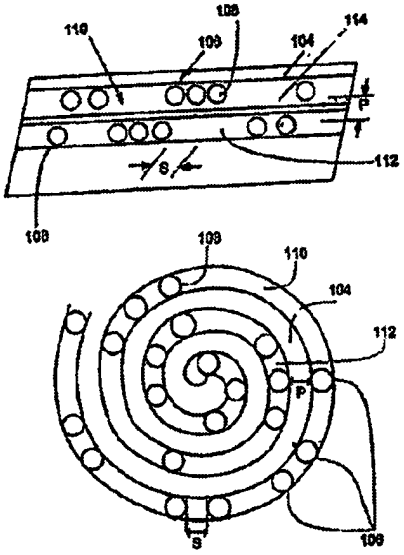
(57) **ABSTRACT**

A storage media for storage of data thereon is provided. The storage media including: a first layer, the first layer being substantially transparent to a predetermined radiant energy used for reading the data; and a second layer formed on the first layer and being substantially opaque to the radiant energy, the second layer having a pattern comprising a plurality of holes, each of the holes having a largest dimension which is greater than a wavelength of the radiant energy, the data being stored as the presence or absence of a hole in the pattern. Also provided are a method for fabricating the storage media as well as an apparatus and method for reading the data stored on the storage media.

3 Claims, 4 Drawing Sheets



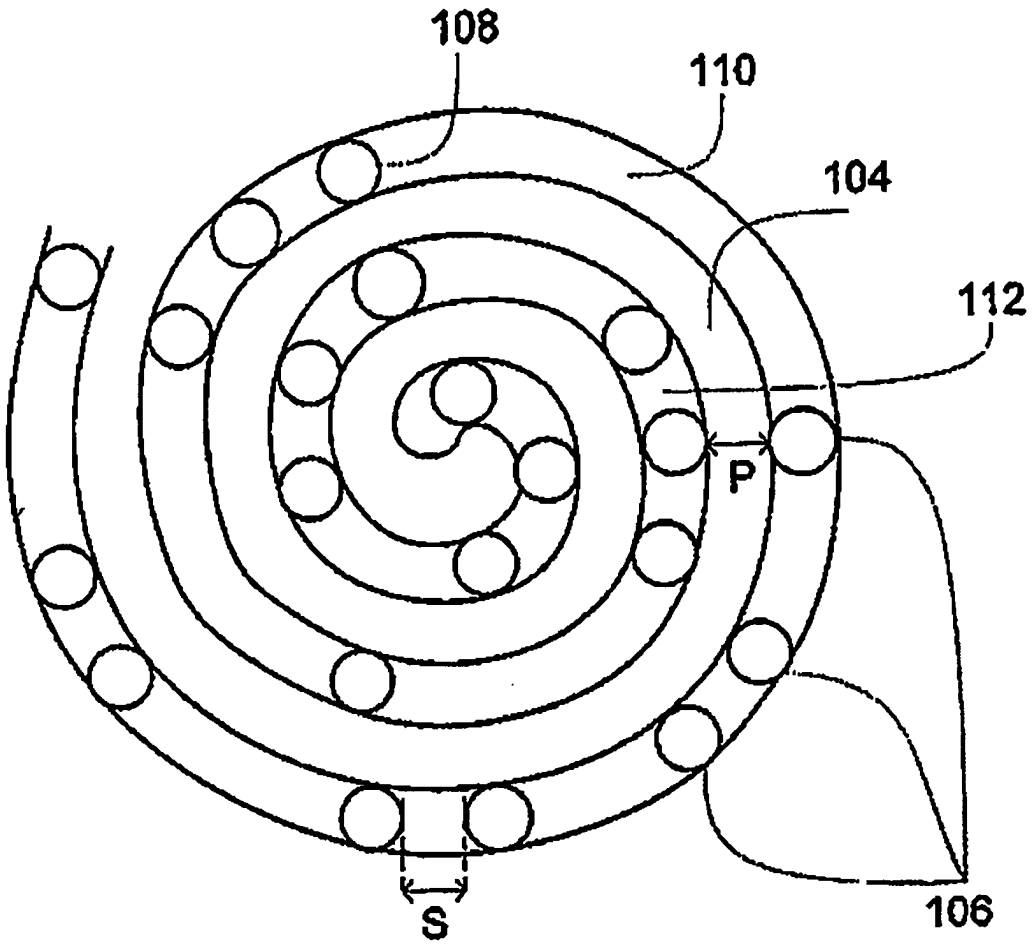


Figure 2B

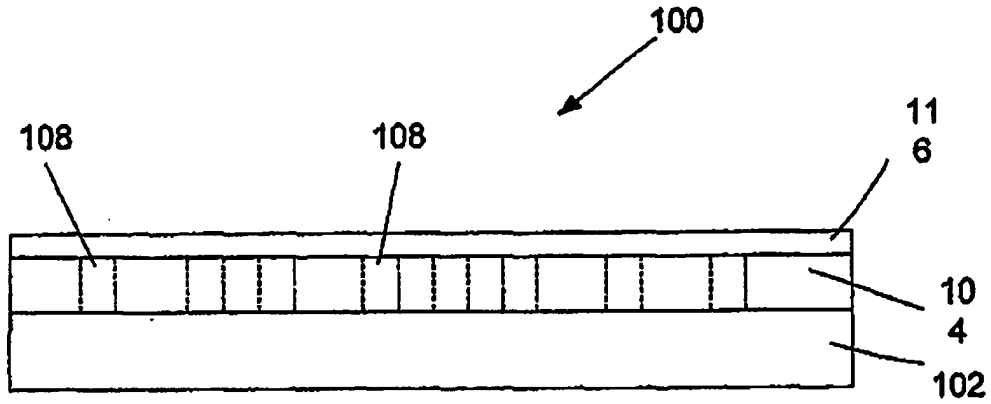


Figure 1

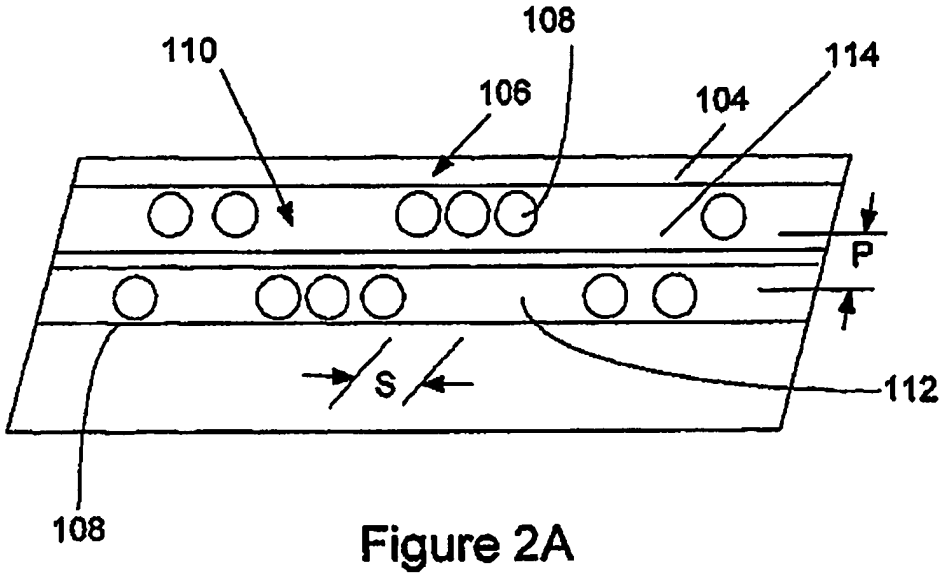


Figure 2A

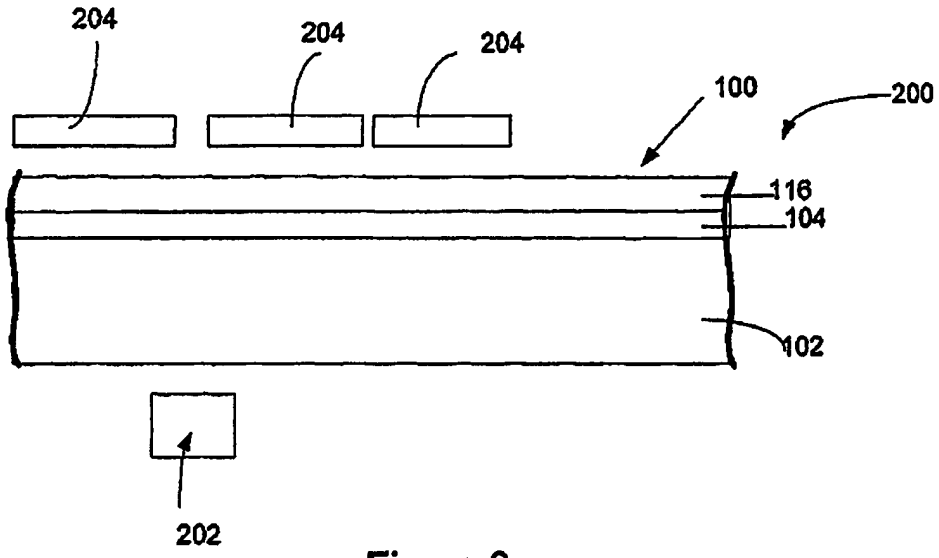


Figure 3

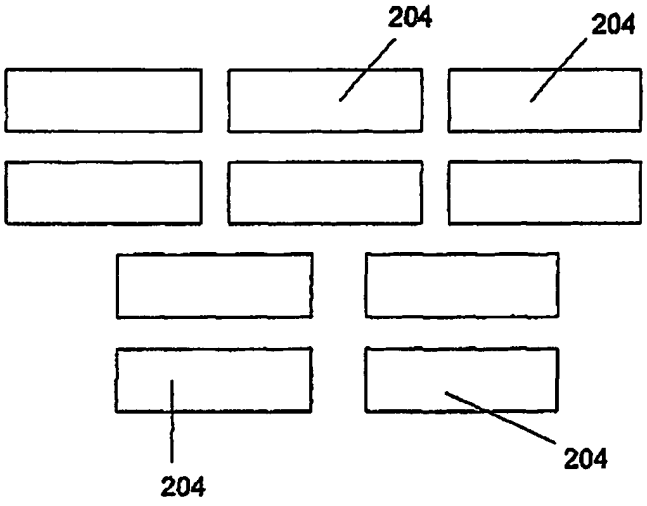


Figure 4

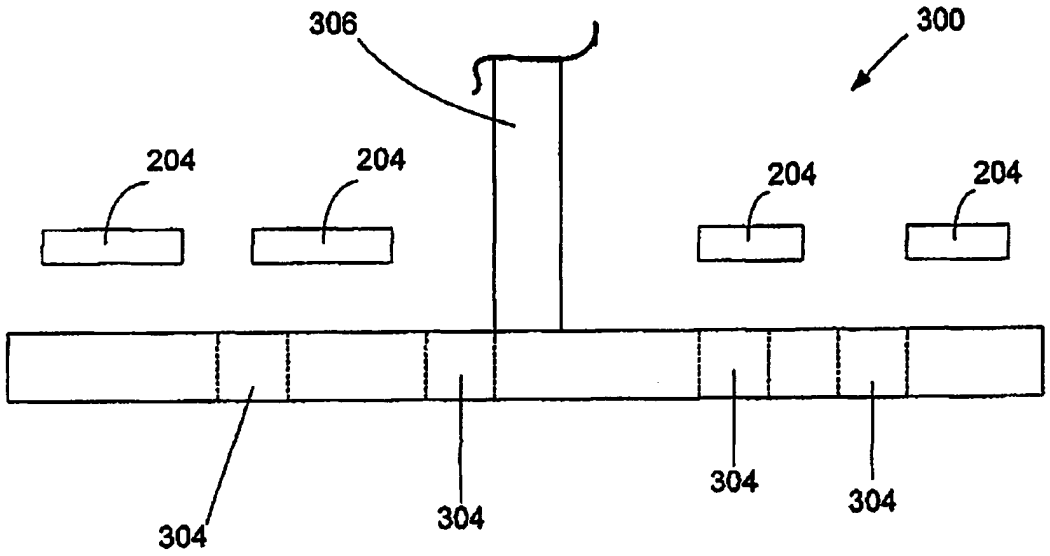


Figure 5